

BILL NO. S-74-09-23

SPECIAL ORDINANCE NO. S-163-74

AN ORDINANCE approving a contract with DEEDS
EQUIPMENT COMPANY for material for Water
Pollution Control Maintenance

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF FORT
WAYNE, INDIANA:

SECTION 1. A certain contract dated September 12, 1974, between
the City of Fort Wayne, by and through its Mayor and the Board of Public Works
and Deeds Equipment Company, for:

1 Vactor, Model 400 Catch Basin Cleaner \$36,954.50
all as more particularly set forth on CITY UTILITIES PURCHASE ORDER NO. 5307
which is by reference incorporated herein and made a part hereof, is hereby in
all things ratified, confirmed and approved.

SECTION 2. This Ordinance shall be in full force and effect from and
after its passage and approval by the Mayor.


Councilman

APPROVED AS TO FORM
AND LEGALITY,

CITY ATTORNEY

Read the first time in full and on motion by Burns, seconded by Hinga, and duly adopted, read the second time by title and referred to the Committee on City Utilities (and the City Plan Commission for recommendation) and Public Hearing to be held after due legal notice, at the Council Chambers, City-County Building, Fort Wayne, Indiana, on _____, the _____ day of _____, 197_____, at _____ o'clock P.M., E.S.T.

Date: _____

Charles W. Talarico
CITY CLERK

Read the third time in full and on motion by Burns, seconded by Hinga, and duly adopted, placed on its passage.

Passed (LOST) by the following vote:

	AYES <u>8</u>	NAYS <u>0</u>	ABSTAINED _____	ABSENT <u>1</u> to-wit:
BURNS	<u>X</u>	_____	_____	_____
HINGA	<u>X</u>	_____	_____	_____
KRAUS	<u>X</u>	_____	_____	_____
MOSES	<u>X</u>	_____	_____	_____
MUCKOLS	<u>X</u>	_____	_____	_____
SCHMIDT, D.	<u>X</u>	_____	_____	_____
SCHMIDT, V.	_____	_____	_____	<u>X</u>
STIER	<u>X</u>	_____	_____	_____
TALARICO	<u>X</u>	_____	_____	_____

DATE: _____

Charles W. Talarico
CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne, Indiana, as (~~Zoning Map~~) (~~General~~) (~~Annexation~~) (~~Special~~) (~~Appropriation~~) Ordinance (Resolution) No. 8-163-74 on the 8th day of October, 1974.

ATTEST: (SEAL)

Charles W. Talarico
CITY CLERK

Samuel J. Talarico
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on the 9th day of October, 1974, at the hour of 11:30 o'clock 4 M., E.S.T.

Charles W. Talarico
CITY CLERK

Approved and signed by me this 10th day of October, 1974, at the hour of 3:30 o'clock P.M., E.S.T.

James A. Brown
MAYOR

Bill No. S-74-09-23

REPORT OF THE COMMITTEE ON CITY UTILITIES

We, your Committee on City Utilities to whom was referred an Ordinance
approving a contract with DEEDS EQUIPMENT COMPANY for material for Water
Pollution Control Maintenance

have had said Ordinance under consideration and beg leave to report back to the Common

Council that said Ordinance as PASS.

Paul M. Burns - Chairman

James S. Stier - Vice-Chairman

Vivian G. Schmidt

Donald J. Schmidt

Eugene Kraus, Jr.

CONCURRED IN

DATE

10-8-74

CHARLES W. WESTERMAN, CITY CLERK



THE CITY OF FORT WAYNE
board of public works

September 12, 1974

The Common Council
Fort Wayne, Indiana

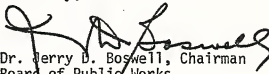
Gentlemen and Mrs. Schmidt:

The Board of Public Works is requesting "Prior Approval" for the purchase of one (1) Sewer and Catch Basin Cleaner Vactor from Deeds Equipment Company, Inc. for \$36,954.50.


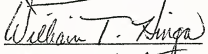
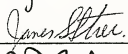
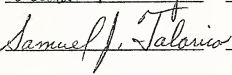
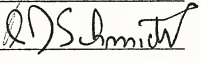
Effective September 15, 1974, the purchase price of this unit will increase \$2,943.50 over their quoted price on August 26, 1974.

An ordinance will be submitted for formal approval at a later date.

Sincerely,


Dr. Jerry D. Boswell, Chairman
Board of Public Works

JDB:tg

 Eugene Kraus _____
 William T. King _____
 James H. Huer _____
 Samuel J. Talon _____
 JDS Smith _____

MEMBERS OF THE COMMON COUNCIL

CITY OF FORT WAYNE

CITY UTILITIES

DEPARTMENT OF PURCHASES
ROOM 950 CITY-COUNTY BUILDING
NUMBER ONE EAST MAIN STREET
FORT WAYNE, INDIANA 46802

Deeds Equipment Co., Inc.
8015 E. 45th Street
Lawrence, Indiana 46226

61-126-7
ORIGINAL
PURCHASE ORDER NO. 5307 9/12/74

This number must appear on each pack
age, packing slip, invoice, bill of lading
express receipt and correspondence.

DATE Sept. 12, 1974

APPROVED
Board of Purchasing Agents

Ronald L. Bonar

John P. Dismore

SHIP TO —

WPC Maint.
445 E. Wallace St.
Ft. Wayne, Indiana

MAIL ALL INVOICES TO —
CITY UTILITIES

GENERAL ACCOUNTING
4th FLOOR CITY-COUNTY BUILDING
NUMBER ONE EAST MAIN STREET
FORT WAYNE, INDIANA 46802

INVOICE IN DUPLICATE, INCLUDING
CERTIFICATION AS REQUIRED BY
INDIANA STATE BOARD OF ACCOUNTS

QUANTITY RECEIVED	QUANTITY ORDERED	DESCRIPTION	ACCT. OR W.O. NO.	UNIT PRICE	TOTAL
	1	Vactor, Model 400 Catch Basin Cleaner Included in the price is a Ford Tilt Cab, Model CT800 with an automatic transmission, rubber pick up hose, 11½ ft. of 8" aluminum pipe and a body load limit indicator. Per attached Specifications. <u>SUBJECT TO COUNCILMANIC APPROVAL</u>			\$36,954.50
		ATD/1e			

ATTENTION!

Send all Invoices to General Accounting
4th Floor, City-County Bldg.
1 E. Main St.
Fort Wayne, Indiana 46802
Show P. O. Number on Packing slip
and Invoice.

NOTE: TERMS OF PAYMENT MUST BE SHOWN ON FACE OF INVOICE. OTHERWISE A 2% DISCOUNT WILL BE TAKEN

BY *A. T. Semchuk*

CITY UTILITIES PURCHASING AGENT

SUBJECT TO CONDITIONS ON REVERSE SIDE

FORM U-35

Memorandum

To Dr. Jerry Boswell

Date 9/5/74

From Mort Mendel

Subject REQUEST FOR PRIOR APPROVAL - SEWER AND CATCH BASIN CLEANER VACTOR

COPIES TO:

John Moran

During the past year we have evaluated ways in which we can increase productivity and minimize additional operating expenses.

Water Pollution Control Maintenance Department management and I have evaluated two different models of a catch-basin cleaning equipment which have been developed and introduced to the market during the past 8 years.

This equipment (sewer and catch-basin cleaning-Vactor unit) is an advancement over past methods in the following ways:

- (1) Originally, catch-basins were "dipped" (cleaned) by hand using bucket-shovels (4 - 6 hours to clean one basin 8' to 12' deep).
- (2) In the early 1960's, "eductor" trucks, using impellor/water suction, were introduced to the market. We purchased one in the early 1960's, and now have 2 eductor units, 7 and 9 years old, and in good operating condition (requiring two-man crews approximately 45 minutes to clean street catch-basins).
- (3) However, the eductor water impellor mechanism is mounted on the side of the eductor truck units, and it is impossible to locate these large truck units in a way which will permit them to be used to clean approximately 3500 basins which are positioned in the center of alleys located throughout the City. Therefore, these alley catch-basins are never pumped, and periodically cause sewage backup problems.
- (4) The Vactor unit, with front-mounted 8" suction hose and high-pressure water system, can clean street and alley basins in 20 - 25 minutes (100% productivity improvement), and can easily accommodate sticks, beverage bottles or cans, or other debris which normally will plug up the 2½"-3" opening in the eductor unit hoses, causing periodic crew/equipment down-time necessary to open the hose and remove debris, replace damaged hose.
- (5) Also, the Vactor unit can be operated with a two-man crew, is ^{MORE} ~~more~~ flexible in locating to the catch-basin itself than other rear-mounted models, and we anticipate being able to utilize this unit with presently employed manpower.
- (6) Direct driven compressor develops more than twice the vacuum of competitive models, and moves more materials per cubic foot.

Therefore, I request Board of Works approval of the attached purchase requisition, and action to secure Council prior approval so that City Utilities may save \$2,943.50 and gain the advantage of early delivery of truck-Vactor in stock, rather than wait for later delivery at post 9/15/74 price increase.



City Utilities

CITY-COUNTY BUILDING • ONE MAIN STREET
FORT WAYNE, INDIANA 46802

*Water Filtration • Power & Light
Water Pollution Control*

August 26, 1974

VACUUM CATCH BASIN CLEANER

SPECIFICATIONS

CAPACITY 16.5 Cu. Yard usable capacity.

BODY MATERIAL Double wall - outer wall 10 gauge, inside wall 12 gauge with 3" I beam frame, reinforced.

BODY LENGTH 10' 8" Maximum - overall

BODY WIDTH 93" Minimum - overall

BODY HEIGHT 80.3/8 Minimum - overall

DUST CONTROL Expansion and centrifugal separator permanently mounted inside vacuum box.

BODY & FRAME Body shall be constructed of 3" I beams spaced on 16" centers. Outer wall shall be no less than 10 gauge steel. Inner wall shall be no less than 12 gauge steel plug welded to I beam. 7" 14.75 lb. structural hoist frame channel permanently attached to floor cross members. Floor to be 3/16 steel. Fan and power unit support frame shall be of 6" channel cantilevered out from 6" I beams, placed vertically on front box panel and supported rigidly, top and bottom. Door hinges are to be four in number and shall be attached to a 5" channel which forms the rear top frame of body.

BODY HOIST Shall be twin out mount telescopic cylinder type, multi-stage. Base cylinder shall have a minimum inside diameter of 5" with three active stages. The hoist shall be rated at a minimum capacity of 17 tons. Dump angle 50° minimum.

City Utilities

CITY-COUNTY BUILDING • ONE MAIN STREET
FORT WAYNE, INDIANA 46802

Water Filtration • Power & Light

Water Pollution Control

August 26, 1974

SPECIFICATIONS: Sewer and Catch Basin Cleaner

Ford Tilt Cab Model CT 800 for Model 400 Vactor

47,100 lb. GVWR

161 inch W.B., 134 inch C.A.

391 V8 Engine

15,000 lb. Front Axle W/6,800 lb. Springs

34,000 lb. Eaton Rear Axle W/15,500 lb. Springs

12 Cu. Ft. Compressor

Front Wheel Limiting Valve

Parking Brake - Spring set

Frame reinforcement 34.89 S.M.

50 Gallon L.H. Fuel tank

Power Steering

Allison Automatic Transmission

Heavy Duty Vinyl Trim

Full Width Seat

42 Amp Alternator

Tachometer

Full Air Brakes

Fresh Air Heater

Dual Western Mirrors

2 - 12:00 x 20, 16PR Front Tires

8.0 Front Rims, Cast Spoke Wheels

8 - 10:00 x 20, 12PR Rear Tires

7.5 Rear Rims, Cast Spoke Wheels

Truck in Stock.....\$17,700.00

Vactor - before 9/15/74 18,300.00

Rubber pick-up hose,

Load limit indicator &

11½ x 8" Alum. pipe..... 954.50

\$36,954.50

Order New Truck.....\$19,998.00

Vactor - after 9/15/74 19,900.00

\$39,898.00

Total savings.....\$2,943.50

COMPRESSOR DRIVE

The compressor drive shall be a Helical gear step-up drive with a 1.4 ratio. Drive is to attach directly to a rotor shaft of compressor without the use of multiple stage V-belts. The gear train is to operate in an oil bath at all times. The step up drive is to be attached to the engine housing and separated from the engine drive train by a heavy duty twin 13" disc clutch and transmission.

CENTRIFUGAL

The centrifugal compressor shall be a minimum 38" diameter tapered wheel. The fan blades are to be of anodized cast aluminum. The outer compressor housing is to be spun from one piece of 1/4" steel. The compressor will deliver air at the rate of 2400 CFM at an operating pressure of 90 inches of water at 3500 RPM. The compressor shall be permanently mounted on the vacuum box. The compressor body shall not separate while vacuum box is in raised position.

REMOTE CONTROL

Shall consist of a pushbutton control station attached by an electric cable to a hydraulic Solenoid Valve for raising and lowering boom assembly. The control shall stop or start boom in any position within limits of cylinder. Remote control shall be adequate for one man operation from pick up hose control handle.

BOOM CONTROL PUMP

The boom hydraulic cylinder shall be powered by a Vactor Engine.

HYDRAULIC BOOM TILT CAB, EXTENDABLE

A single acting hydraulic lift cylinder shall be used to actuate an 84" hinged boom. The boom shall have an additional slave cylinder to give 18" telescoping boom action on the upper 30 degree lift of boom. The boom shall rotate 120 degrees to allow pick up directly in front of, to the right of and to the left of the front bumper. The verticle lift shall be 12' min. overall beside the cab, and 7½' above cab level. Power to operate cylinders is to be furnished by a hydraulic pump operated by the Vactor engine.

HIGH PRESSURE WATER SYSTEM

The pump shall be of high pressure approved piston type and shall deliver 10 gallons of water per minute at a maximum of 400 PSI at 600 RPM. The pump shall be driven by a hydraulic motor by means of flexible coupling. A quick disconnect coupling shall be furnished and attached to the front truck bumper support. A variable controlled jetting nozzle with 9' of high pressure hose and a quick coupler shall be furnished to deliver water to the area served by the intake nozzle. Water tank shall be 250 gallons minimum capacity.

HYDRAULIC PUMP

The hydraulic pump is to be mounted directly to the power take-off with a spline shaft drive. The hydraulic pump to power the body hoist and high pressure water system is to be a minimum 20 gal. per minute capacity at 1000 PSI and 1200 RPM. The pump, rotor shaft shall be supported by ball or roller bearings. The pump and power take-off controls shall be mounted in the truck's cab within easy reach of the driver and operated by means of a sheathed rust resistant wire cable. The hydraulic system to have pressure relief valve pre-set at factory at 1500 PSI.

COMPRESSOR POWER

The compressor power unit shall be a 6 cylinder UB-264 International or equivalent rated at 95 horsepower at 2400 RPM. The engine shall be of L-head design with a minimum displacement of 264 cu. in. It shall have as standard equipment a tropical radiator, automatic choke and an electric fuel pump and filter located adjacent to the fuel tank.

REAR DISCHARGE DOOR

One piece, minimum width 90". Minimum height shall be no less than 72". It shall be a minimum of 3-3/8" thick and fully enclosed, sandwich type construction with internal re-inforcing I beams spaced on 16" centers. It shall be completely air and water tight. Four top hinges attached permanently to the door will be furnished. A door lock mechanism shall be provided to maintain a positive seal when the unit is used as a flusher. A formed seal retainer shall be externally bolted to the four sides. The retainer shall have provisions for adjusting and the seal itself shall be a rubber compression seal.

DUST CONTROL SYSTEM

The dust control system shall not use metal perforated filters, bags or water to remove particles from the air. The system shall be an expansion and centrifugal separating system. The system shall be located in the front of the vacuum box and when in operation shall be capable of removing particles larger than 50 microns in diameter. A small dust box with separate access door is to be located at the lower left-hand front corner of the vacuum box. Operator shall not be required to enter the vacuum box to clean dust control system.

PICK UP HOSE

Shall be 8" in diameter and 15½ ft. in length. The upper 7½' shall be wire reinforced rubber hose. The ends to be secured by 8" flanges and collars. The lower 5'6" to be wire reinforced rubber hose.

BODY DRAIN

Shall be of 5" I.D. wrought pipe. Drain outlet in front corner of vacuum box. Drain to be elevated above floor and protected by heavy gauge perforated sheet steel. Drain to have quick opening valve with length of hose for release of liquid.

CATCH BASIN
CLEANING NOZZLE

8" diameter, 11'6" long of aluminum with 8" rolled iron flange at one end and a serrated steel band on opposite end. A quick disconnect hinged control handle that will buckle on pipe or nozzle in any position shall be furnished. Nozzle shall attach to pick up hose by means of a quick clamp without use of guide pins or wires.

Body load limit indicator.

✓

DIGEST SHEET

TITLE OF ORDINANCE: _____

A-74-09-23

DEPARTMENT REQUESTING ORDINANCE: _____

SYNOPSIS OF ORDINANCE: City Utilities Purchase Order 5307 covers their

purchase of one (1) Vactor Catch Basin Cleaner from Deeds Equipment Co., Inc.,
in the amount of \$36,954.50.

See "Prior Approval"

EFFECT OF PASSAGE: Provide much needed cleaner.

EFFECT OF NON-PASSAGE: Sewer Maintenance Department cannot provide enough
catch basin cleaning as often as needed.

MONEY INVOLVED (Direct Costs, Expenditures, Savings): Cost to Utility
\$36,954.50.

ASSIGNED TO COMMITTEE (J.N.): _____

City Utility